Kit CoA Cover Page

KAPA HiFi HS Uracil+ RM (1.25 ml)			
Kit Code	**Part Number**	**Lot Number**	**Kit Expiry Date**
KK2801	07959052001	004265-12-1	2018-03-02

Component Code	Component Description	Component Lot Number
KM2801	2x HiFi HS Uracil+ MM (1.25 ml)	00066620

CoA's are not issued for complete kits, but for the individual component lots from which kits are assembled. CoA's for all component lots listed are attached.

Generated By	Date
Melissa Jonas (QC Scientist)	2016-09-09

KAPABIOSYSTEMS

Certificate of Analysis

PRODUCT DETAILS		
Product name	2X KAPA HiFi HS Uracil + ReadyMix	
Code & Pack size	KM2801	1.25 mL
Lot number	66620	
Code and lot number of bulk corresponding solution	BM0030	63829

QUALITY CONTROL PARAMETERS		
Parameter	**Specification**	**Result**
Purity	The enzyme contained in this product is extensively purified through the use of multiple chromatography steps. The final formulation contains <2% contaminating protein, as determined in an Agilent Protein 230 Assay. The nucleotides contained in this product are >98% pure, as determined by HPLC analysis.	**Passed**
Functional assay	A single, distinct band visible by agarose gel electrophoresis/ ethidium bromide staining, following amplification of a 599 bp DNA fragment from a dilution series of 10 ng – 100 pg human genomic DNA under standard reaction conditions.	**Passed**
Endonuclease activity	No detectable nicking or linearization of plasmid DNA after incubation for 8 hours at 37 °C, as assessed by agarose gel electrophoresis/ethidium bromide staining.	**Passed**
Exonuclease activity	No detectable degradation of lambda DNA after incubation for 8 hours at 37 °C, as assessed by agarose gel electrophoresis/ethidium bromide staining.	**Passed**
DNA contamination	A standard reaction with no template contains <50 fg/µL bacterial genomic DNA (*E. coli* and related strains; as assessed by amplification of a 411 bp 16S rRNA fragment using a multicopy primer set in a 35-cycle reaction) and <0.5 pg/µL human genomic DNA (as assessed by amplification of a 290 bp b-actin fragment using a multicopy primer set in a 35-cycle reaction).	**Passed**

Generated by Nashleen Johannes (QC Scientist) 2016-05-04

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